

ABSTRACT

A multi-layer flooring tile having a porous base layer of rounded silica particles, supporting a resilient and stretchable flexible membrane layer which supports a top layer of aliphatic polymer, fine filler and quartz mineral. The top layer is coated with a clear polymer coating. The flexible membrane layer is formed directly on the base layer, forming a bond without adhesive and likewise the top layer is formed on the flexible membrane layer, bonding without adhesive as the layers cure simultaneously. The flooring tiles are to be installed in the manner of an ordinary tile floor and provide a multi-layer, chemical resistant, non-slip flooring system.